AUTHOR INDEX

(Volume XXXI)

BAKER, S *see* MOSS, W D

BAND, E G U and PAYNE, P R
The Pressure Distribution on the Surface of an Ellipsoid in Inviscid Flow, p 70 (February).

CALVERT, W J and HERBERT, M V
An Inviscid-Viscous Interaction Method to Predict the Blade-to-Blade Performance of Axial Compressors, p 173 (August).

COLBOURNE, D E
A Simulation of a Supersonic Intake on a Hybrid Computer, p 197 (August).

CUMPSTY, N A and HEAD, M R
Comment on "Transition in the Infinite Swept Attachment Line Boundary Layer", p 149 (May).

DOWELL, E H
A Simplified Theory of Oscillating Aerofoils in Transonic Flow: Review and Extension, p 252 (November).

DUTT, H N V and SREEKANTH, A K
Design of Aerofoils for Prescribed Pressure Distribution in Viscous Incompressible Flows, p 42 (February).

FOTHERINGHAM, J *see* MARSTERS, G F

GRAHAM, J M R *see* McKEOUGH, P J

HEAD, M R *see* CUMPSTY, N A

HERBERT, M V *see* CALVERT, W J

HUNT, B L *see* JENNIONS, I K

JENNIONS, I K and HUNT, B L
The Axisymmetric Impingement of Supersonic Air Jets on Cones, p 26 (February).

MARSTERS, G F and FOTHERINGHAM, J
The Influence of Aspect Ratio on Incompressible Turbulent Flows from Rectangular Slots, p 285 (November).

McKEOUGH, P J and GRAHAM, J M R
The Effect of Mean Loading on the Fluctuating Loads Induced on Aerofoils by a Turbulent Stream, p 56 (February).

MOREL, T
Effect of Base Slant on the Flow in the Near Wake of an Axisymmetric Cylinder, p 132 (May).

MOSS, W D and BAKER, S
Re-Circulating Flows Associated with Two-Dimensional Steps, p 151 (August).

MUDFORD, N R, STALKER, R J and SHIELDS, I
Hypersonic Nozzles for High Enthalpy Non Equilibrium Flow, p 113 (May).

NARAYANA, P A Aswath
An Investigation of Turbulent Boundary Layer on a Flat Plate with a Small Step Change in Surface Roughness, p 221 (November).

PAYNE, P R *see* BAND, E G U

POLL, D I A
Reply to Comment by Cumpsty and Head, p 150 (May).

RAO, K N *see* YOUNG, A D

SHARMA, V D
Non-Equilibrium Flow of an Ideal Dissociating Gas Behind an Attached Shock Wave, p 238 (November).

SHIELDS, I *see* MUDFORD, N R

SQUIRE, L C and SMITH, M J
Interaction of a Shock Wave with a Turbulent Boundary Layer Disturbed by Injection, p 85 (May).

SMITH, M J *see* SQUIRE, L C

SREEKANTH, A K *see* DUTT, H N V

STALKER, R J *see* MUDFORD, N R

THOMSON, K D
Calculation of Subsonic Normal Force and Centre of Pressure Position of Bodies of Revolution Using a Slender Body Theory – Boundary Layer Method, p 1 (February).

YOUNG, A D and RAO, K N
Corrigendum: "Some Low Speed Experimental Results on the Effects of Swirl and Velocity Distribution on an Axisymmetric Jet", p 148 (May).

YOUNG, A D *see* ZAMIR, M

ZAMIR, M and YOUNG, A D
Corrigendum: "Pressure Gradient and Leading-Edge Effects on the Corner Boundary Layer", p 69 (February).

SUBJECT INDEX TO VOLUME XXXI – 1980

AEROFOILS
Design of Aerofoils for Prescribed Pressure Distribution in Viscous Incompressible Flows, H N V Dutt and A K Sreekanth, p 42 (February).
The Effect of Mean Loading on the Fluctuating Loads Induced on Aerofoils by a Turbulent Stream, P J McKeough and J M R Graham, p 56 (February).
See also Transonic Flow

AXIAL COMPRESSORS
An Inviscid-Viscous Interaction Method to Predict the Blade-to-Blade Performance of Axial Compressors, W J Calvert and M V Herbert, p 173 (August).

AXISYMMETRIC JETS
Corrigendum: "Some Low Speed Experimental Results on the Effects of Swirl and Velocity Distribution on an Axisymmetric Jet", A D Young and K N Rao, p 148 (May).

BODIES OF REVOLUTION
Calculation of Subsonic Normal Force and Centre of Pressure Position of Bodies of Revolution Using a Slender Body Theory – Boundary Layer Method, K D Thomson, p 1 (February).
The Pressure Distribution on the Surface of an Ellipsoid in Inviscid Flow, E G U Band and P R Payne, p 70 (February).
Effect of Base Slant on the Flow in the Near Wake of an Axisymmetric Cylinder, T Morel, p 132 (May).

BOUNDARY LAYER
Corrigendum: "Pressure Gradient and Leading-Edge Effects on the Corner Boundary Layer", M Zamir and A D Young, p 69 (February).
See also Transition

HYPERSONIC NOZZLES
Hypersonic Nozzles for High Enthalpy Non Equilibrium Flow, N R Mudford, R J Stalker and I Shield, p 113 (May).

INTAKES
A Simulation of a Supersonic Intake on a Hybrid Computer, D E Colbourne, p 197 (August).

JET IMPINGEMENT
The Axisymmetric Impingement of Supersonic Air Jets on Cones, I K Jennions and B L Hunt, p 26 (February).

NON-EQUILIBRIUM FLOW
Non-Equilibrium Flow of an Ideal Dissociating Gas Behind an Attached Shock Wave, V D Sharma, p 238 (November).
See also Hypersonic Nozzles

RE-CIRCULATING FLOWS
Re-Circulating Flows Associated with Two-Dimensional Steps, W D Moss and S Baker, p 151 (August).

SHOCK WAVES
See Non-Equilibrium Flow

SHOCK WAVE – BOUNDARY LAYER INTERACTION
Interaction of a Shock Wave with a Turbulent Boundary Layer Disturbed by Injection, L C Squire and M J Smith, p 85 (May).

SIMULATION
See Intakes

SUBSONIC FLOW
Calculation of Subsonic Normal Force and Centre of Pressure Position of Bodies of Revolution Using a Slender Body Theory – Boundary Layer Method, K D Thompson, p 1 (February).

SUPERSONIC FLOW
See Intakes
See also Jet Impingement

TRANSITION
Comment on "Transition in the Infinite Swept Attachment Line Boundary Layer", N A Cumpsty and M R Head, p 149 (May).
Reply to Comment by Cumpsty and Head, D I A Poll, p 150 (May).

TRANSONIC FLOW
A Simplified Theory of Oscillating Aerofoils in Transonic Flow: Review and Extension, E H Dowell, p 252 (November).

TURBULENT FLOW
An Investigation of Turbulent Boundary Layer on a Flat Plate with a Small Step Change in Surface Roughness, P A Aswath Narayana, p 221 (November).
The Influence of Aspect Ratio on Incompressible Turbulent Flows from Rectangular Slots, G F Marsters and J Fotheringham, p 285 (November).
See also Aerofoils.